

## TEST REPORT



Test Report Number : CPRINOAHV25T0686 Date: 16 October 2025

Name and Address of the Customer : M/s. Powertech Electrical & Automation LLP  
Plot No. 109, Gali No. 5, Krishna Industrial Area  
Sector – 25, Ballabgarh, Faridabad – 121004 (Haryana).

Name and Address of the Manufacturer : M/s. Powertech Electrical & Automation LLP  
Plot No. 109, Gali No. 5, Krishna Industrial Area  
Sector – 25, Ballabgarh, Faridabad – 121004 (Haryana).

Particulars of Sample tested : 415 V, 630 A, LT Control Panel  
Type : Main Distribution Panel

Description of test sample : Refer Sheet 2 of 5

Serial Number : PEA/155

Number of Sample tested : One

Date(s) of Test(s) : 10 October 2025 to 13 October 2025

CPRI sample code number(s) : NOAHV25S0733

Particulars of test(s) conducted : Refer Sheet 3 of 5

Test in accordance with Standard/specification : IS/IEC 61439-1: 2020 & IS/IEC 61439-2: 2020

Sampling Plan : Nil

Customer's Requirement : Nil

Deviations, if any : Nil

Name of the witnessing persons

Customer's Representatives : Mr. Vikram Singh

Other than Customer's Representatives : Nil

Test subcontracted with address of the laboratory : Nil

Documents constituting this report (in words)

Number of Sheet(s) : Five

Number of Oscillogram(s) : Nil

Number of Graph(s) : Nil

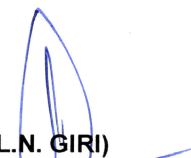
Number of Photograph(s) : One

Number of Test Circuit Diagram(s) : Nil

Number of Drawing(s) : Three

  
(Satish Kumar)  
Test Engineer



  
(L.N. GIRI)  
Engineering Officer Gr. 4  
Reviewed and Authorized by

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## TEST RESULTS

Test conducted : Degree of Protection: IP-54

## 1) Protection against solid foreign body: IP-5X

Date of test : 10 October 2025

Condition of the sample before test : New

## Test Details

Test Description	Differential Pressure	Test Duration
The test object is placed inside a closed chamber in which talcum powder (unscented) is maintained in suspension by air current as per standard.	NA	8 Hours

Observations: No Traces of talcum powder was observed inside the sample after IP-5X.

## 2) Protection against Ingress of water : IP-X4

Date of test : 13 October 2025

Condition of the sample before test : As such after IP-5X test.

Test details : The sample was placed in normal position and all the surfaces of the sample were sprayed by water using spray nozzle with no counter balance shield in place as per standard.

Water pressure	Delivery rate of water	Duration of the test (minutes)
0.51 kg/cm <sup>2</sup>	10 ltr./min.	5.0

Observations: No traces of water observed inside the sample after IP- X4 test.

Conclusion: The sample tested complies with the requirements of clause no. 10.3 of IS/IES 61439-1: 2020 & IS/IES 61439-2: 2020 for the test conducted.

  
(Satish Kumar)  
Test Engineer